

Introduction to Statistics

Statistics is the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data. Statistics is used to study a population/process (data)

Types of Statistics

1. Descriptive Statistics

Analyzing, summarization and organizing data in the form of number and graph to describe the main features of the sample.

e.g. Bar plot, Histogram, Pie Chart, PDF, CDF, Measure of central tendency – Mean, Median and Mode.
Variance and standard Deviation

2. Inferential Statistics

When working with samples of the population the techniques and processes we use to draw conclusions come under inferential statistics.

e.g. Confidence Intervals, Z test, T Test, Chi square Test.